

## Refine Search

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345/820	7

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### Search History

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<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR</i>			
<u>L26</u>	345/820	7	<u>L26</u>
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<u>L24</u>	345/810	833	<u>L24</u>
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<u>L18</u>	345.clas.	61481	<u>L18</u>
<u>L17</u>	715/502	107	<u>L17</u>
<u>L16</u>	715/540	86	<u>L16</u>
<u>L15</u>	715/515	161	<u>L15</u>
<u>L14</u>	715/539	64	<u>L14</u>
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<u>L12</u>	715/530	502	<u>L12</u>
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<u>L10</u>	707/101	2614	<u>L10</u>
<u>L9</u>	707.clas.	16500	<u>L9</u>
<u>L8</u>	L7 and memory	36	<u>L8</u>
<u>L7</u>	L3 and history near3 list	45	<u>L7</u>
<u>L6</u>	L5 and history near3 list	3	<u>L6</u>
<u>L5</u>	L4 and change with state with history	18	<u>L5</u>
<u>L4</u>	L3 and change with document	1972	<u>L4</u>
<u>L3</u>	state with document	12176	<u>L3</u>
<u>L2</u>	L1 and history same list	0	<u>L2</u>
<u>L1</u>	linear near history same model	1	<u>L1</u>

END OF SEARCH HISTORY

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Generate Collection

Print

89/010,801

L8: Entry 29 of 36

File: USPT

Mar 2, 1999

DOCUMENT-IDENTIFIER: US 5877765 A

**\*\* See image for Certificate of Correction \*\***

TITLE: Method and system for displaying internet shortcut icons on the desktop

Brief Summary Text (6):

Another mechanism that has been employed in Web browsers is a list, such as a hot list or a history list. FIG. 1B depicts an example of a hot list. A hot list contains a list of the user's favorite document sites. In this regard, the hot list acts as a sort of cache of documents from the Internet. In FIG. 1B, the hot list has its own window 14 that includes a list portion 18 and buttons 20. The buttons 20 may be used to add or delete items from the list 18. To view a particular document on the hot list, the user selects the item from the hot list and requests that the item be opened by double clicking on the item or using another opening mechanism. History lists are similar to hot lists, but maintain a historical list of Web sites that have been visited by a user.

Detailed Description Text (5):

FIG. 3 is a block diagram that shows in more detail a suitable client computer configuration for practicing the preferred embodiment of the present invention. The client computer 28 includes a central processing unit (CPU) 30 that has access to a primary memory 32 and a secondary storage 34. The primary memory 32 holds a copy of an operating system 36. For purposes of the discussion below, it is assumed that the operating system 36 is the Microsoft.RTM. Windows.RTM. 95 operating system. The primary memory 32 also holds a copy of URL.DLL 38, which is the Internet shortcut shell extension handler that provides the facilities for implementing the Internet shortcuts in the preferred embodiment of the present invention. Although the Internet shortcut handler 38 is shown in FIG. 3 as being separate from the operating system 36, those skilled in the art will appreciate that it may in alternative embodiments be incorporated as part of the operating system. An Internet explorer 40 is also held within the memory 32. The Internet explorer 40 enables a user to explore the Internet and view documents from the Internet. The Internet explorer 40 may include client programs for protocol handlers for different Internet protocols (e.g., HTTP, FTP and Gopher) to facilitate browsing using different protocols. The client computer 28 also has a number of input/output devices. These input/output devices include a video display 42, keyboard 44, a mouse 46, and a modem 48.

Detailed Description Text (27):

Each Internet shortcut object has a number of properties associated with it that may be viewed and edited through property sheets. To display a property sheet for an Internet shortcut, a user may click the right button of mouse 46 while the mouse cursor points to Internet shortcut 52. As was described above relative to FIG. 15, such user action causes a context menu 146 to be displayed. This context menu 146, includes a "Properties" menu option 178 as shown in FIG. 18. When the user selects the "Properties" menu option 178, a property sheet 180 (FIG. 19) is displayed. The "General" property sheet 180 specifies general information about the Internet shortcut. The user may also position the mouse cursor to point at tab 182 and click a left mouse button on mouse 46 to display the "Internet Shortcut" property sheet (FIG. 20). The "Internet Shortcut" property sheet 184 includes a text box 186 for viewing and editing the URL that is associated with the shortcut. The "Internet

Shortcut" property sheet 184 additionally includes a "Run" drop down list 188 that allows a user to specify the start state of the window when the associated application for displaying the Internet document is run. A user may specify the start state as minimized, normal or maximized through the "Run" drop down list 188. Text box 190 allows a user to specify what directory to start in when the associated application is run. Lastly, "Change Icon . . ." button 192 is provided to allow a user to change the icon that is associated with the Internet shortcut. These property sheets are implemented as property sheet extensions as described in the copending application entitled "Shell Extensions for an Operating System", Ser. No. 08/355,410. The property sheet handler is provided by URL.DLL.

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**End of Result Set**☐ **Generate Collection** **Print**

L8: Entry 36 of 36

File: USPT

Jun 15, 1993

DOCUMENT-IDENTIFIER: US 5220625 A

TITLE: Information search terminal and system

Brief Summary Text (8):

It is therefore an object of the present invention to provide information search terminal apparatus and system for searching information such as document data, which can afford a highly improved manipulatability to the user by saving history of searches performed in the past and making available to the user information concerning the current system state such as results of development of a specified search term, a set of results of the searches performed in the past and subjected to the current search, and the mode in which the search is currently performed.

Drawing Description Text (25):

FIG. 23 is a view showing a state of the document display window in which a search term is displayed in highlight;

Drawing Description Text (27):

FIG. 25 is a view showing a state of display generated on the information search terminal when a plurality of document display windows are opened;

Drawing Description Text (28):

FIG. 26 is a view showing a state of display generated on the information search terminal when a succeeding search query input window is opened in the state in which the document display window is being generated;

Detailed Description Text (3):

FIG. 1A is a schematic block diagram showing a general arrangement of an information search or retrieval system according to an embodiment of the invention. This system is constituted by a search terminal apparatus 100, a search/retrieval system 170, a database 180 and a LAN (Local Area Network) 190 for interconnecting the above-mentioned components 100, 170 and 180 in the form of a client/server system. The search terminal 100 located on the client side includes a memory 100 for storing programs which includes a work memory, a CPU (Central Processing Unit) 120 for executing a variety of programs, a display unit 130, a keyboard 140, a mouse 150, and a magnetic disk equipment 160. Needless to say, the client search terminal 100 may be equipped with an output device such as a printer. As the programs stored in the memory 110, there can be mentioned a search terminal control program 101, a search query input window control program 102, a search history display window control program 103, a list display window control program 104, a document display window control program 105 and an expanded term display window control program 106. The work memory or area reserved on the memory 110 is denoted by a reference numeral 107.

Detailed Description Text (5):

FIG. 1B is a schematic block diagram showing a general arrangement of an information search terminal 100 which incorporated a terminal controller 120' serving for coupling organically the CPU 120 and the memory 110 shown in FIG. 1A. Referring to FIG. 1B, operations of the system according to the instant

embodiment of the invention will first be described in general.

Detailed Description Text (6):

The search terminal control facility 101' serves as interface for allowing and controlling transactions between a search query input control module 102', a search history display control module 103', a search result list display control module 104', a document display control module 105', an expanded term display control program 106' and a work memory 107+ on one hand and input/output units such as a display unit 130, a keyboard 140, a mouse 150, the magnetic disk equipment 160 and the server search system 170 on the other hand.

Detailed Description Text (40):

The information search terminal which uses the terminal controller 120' as described above can be so implemented as to operate by using the programs stored in the memory 110 shown in FIG. 1A. Further, it goes without saying that each of the control modules can be constituted by combinations of various logic hardware circuits.

Detailed Description Text (61):

Upon inputting of request for recalling a character string, the character string stored in the memory is recalled through a character string cut-out processing in the document display window (2100 in FIG. 21), as will be described later on, whereupon the character string is inserted in a character string input frame of the search query statement.

Detailed Description Text (80):

Again, the search query input window 600 shown in FIG. 6 is restored. By selecting the string recall menu 604, the character string(s) stored in the work memory 107 secured on the memory 110 (described hereinafter in conjunction with the document display window 2100 shown in FIG. 21) can be reused as the search term. By referring to FIG. 9, "string 1" is first selected, which is followed by selection of "string recall". Then, the character string stored in the work memory 107 is copied into a field labeled "string 1".

Detailed Description Text (88):

Finally, the processing of the document display window control program 105 will be described. Upon activation of the document display window control program 105 from the list display or search history display, processing shown in FIG. 20 (corresponding to 4 in FIGS. 2 and 17) is performed. At first, a document display window 2100 is opened, whereon the document data received from the server search system 170 is displayed in the document display window 2100. Subsequently, user request input is awaited. When a search term highlight display request is inputted, the character strings contained in the document being displayed and coinciding with the search query are displayed in reversal. In case a character string copy request is inputted, a given character string contained in the document data and designated by the mouse cursor is stored in the work memory 107 on the memory 110 so that the search query input window control program 102 can recall this character string.

Detailed Description Text (91):

When "search term highlight" is selected from the select menu 2101, the character string which coincides with the search query at the time the associated result set is obtained is changed in color or displayed in reversal to thereby highlight or feature the character string in such a manner as is illustrated in FIG. 23. When the character string copy is designated, the character string as designated by the mouse cursor in the document data being displayed is copied to the work memory 107 on the memory 110. This copied data can be recalled in the search query input window to be used again as the search term.

Detailed Description Text (101):

The individual windows are saved for repeated display so long as the window abandon

or close button is not activated by the user, while the control programs associated with the respective windows are placed in the state for awaiting the user request for the associated processing menu independent of one another. Thus, operation can be performed for the saved window at any time. By way of example, the search result list display can be performed at any time by designating the list display from the search history display window. Moreover, a plurality of documents can be reviewed comparatively with one another by using a corresponding number of document display windows. In this way, the present invention has provided a search terminal of highly improved manipulatability which can afford for the user to perform a variety of operations by using the saved windows without need for canceling the history of the search operations conducted by the user and without interrupting the flow of thinking of the user in proceeding with the search processing.